

What is claimed is:

1. A card edge connector comprising:
 - an insulative housing comprising a mating face, a slot defined in the mating face, a plurality of passageways communicating with the slot, and a pair of support arms extending upwardly from an end thereof;
 - a plurality of electrical contacts received in the passageways of the insulative housing; and
 - a latch member pivotably moveable with respect to the insulative housing from a locked position to a released position, the latch member comprising a main section pivotably assembled to the support arms and a locking section extending from the main section at an acute angle relative to the mating face of the insulative housing in the locked position.
2. The card edge connector as claimed in claim 1, wherein the acute angle is about fifteen degrees.
3. The card edge connector as claimed in claim 1, wherein the locking section extends from a top end of the main section and has an upper face, a locking face opposite and substantially parallel to the upper face, and an end face connecting the upper face with the locking face, the locking face being at an angle of about fifteen degrees relative to the mating face of the insulative housing in the locked position.
4. The card edge connector as claimed in claim 3, wherein the locking section defines a channel in the end face, the channel extending from the upper face to the locking face and dividing a free end of the locking section into two pieces.
5. The card edge connector as claimed in claim 1, wherein the main section has an inner face, an outer face opposite to the inner face, two opposite side faces, and a slit extending from the inner face to the outer face along the main section.
6. The card edge connector as claimed in claim 5, wherein the support arms define a pair of holes in inner sides thereof, and wherein the main section has a pair

of spindles formed on the two side faces thereof and received in the holes of the insulative housing.

7. The card edge connector as claimed in claim 1, wherein the latch member comprises an operation section formed on a top end of the main section.

8. The card edge connector as claimed in claim 1, wherein the insulative housing comprises a mounting face opposite to the mating face, the slot extending from the mating face toward the mounting face along the insulative housing, the passageways being defined on opposite side walls of the slot and extending from the mating face to the mounting face.

9. The card edge connector as claimed in claim 8, wherein each electrical contact comprises a body portion, a mating portion extending upwardly from the body portion and exposed in the slot of the insulative housing, and a tail portion extending downwardly from the body portion and beyond the mounting face of the insulative housing.

10. The card edge connector as claimed in claim 1, wherein the insulative housing comprises a pair of stand-offs formed on outer sides of the pair of support arms, and a pair of ribs formed with each support arm and a corresponding stand-off.

11. The card edge connector as claimed in claim 10 comprising a pair of retention structures each having a mounting portion engaging with the stand-off of the insulative housing and a pair of leg portions spaced from each other and extending downwardly from the mounting portion beyond the mounting face of the insulative housing.

12. The card edge connector as claimed in claim 1, wherein the insulative housing comprises a second pair of support arms extending upwardly from a second end thereof, and wherein the card edge connector comprises a second

latch member pivotable on the second pair of support arms of the insulative housing.

13. A card edge connector assembly comprising:

an insulative housing comprising mating face, a slot defined in the mating face, a plurality of passageways communicating with the slot, and a pair of support arms extending upwardly from an end thereof;

a plurality of electrical contacts received in the passageways of the insulative housing;

a latch member comprising a main section pivotably mounted on the two arms of the insulative housing, and a locking section extending from the main section and comprising two end pieces; and

an electrical card comprising a mating edge inserted into the slot of the insulative housing, and a latch edge clamped by the two end pieces of the locking section of the latch member.

14. The card edge connector assembly as claimed in claim 13, wherein the latch edge defines a cutout having an engaging face which is at an angle of about fifteen relative to the mating face of the insulative housing.

15. The card edge connector assembly as claimed in claim 14, wherein the locking section is received in the cutout of the electrical card and has a locking face which is also at an angle of about fifteen degrees relative to the mating face of the insulative housing and abuts against the engaging face of the cutout.

16. The card edge connector assembly as claimed in claim 15, wherein the locking section extends from a top end of the main section and has an upper face opposite and parallel to the locking face, and an end face connecting the upper face with the locking face.

17. The card edge connector assembly as claimed in claim 13, wherein the

support arms defines a pair of holes in inner side thereof, and wherein the main section has two opposite side faces and a pair of spindles formed on the two side faces and received in the holes of the support arms.

18. The card edge connector assembly as claimed in claim 13, wherein the insulative housing comprises a second pair of support arms extending upwardly from a second end thereof, and wherein the card edge connector assembly comprises a second latch member pivotable on the second pair of support arms of the insulative housing.

19. A card edge connector assembly comprising:

an insulative housing comprising a mating face, a slot defined in the mating face, a plurality of passageways communicating with the slot;

an electrical card defining thereof a bottom edge section which is received in the slot and defines at least one notch in one side edge section thereof, said notch extending inwardly from an edge of said side edge section not in a parallel manner but obliquely toward the bottom edge section;

a plurality of electrical contacts received in the passageways of the insulative housing; and

at one latch member pivotably mounted to one end of said housing, said latch member being moveable with respect to the insulative housing from a locked position to a released position, the latch member comprising on an upper portion thereof a locking section defining thereof a cross-sectional structure in receptive compliance with said notch and thus essentially extending at an acute angle relative to the mating face of the insulative housing when said latch member is in the locked position.

20. The assembly as claimed in claim 19, wherein said latch member further includes on a bottom portion thereof a kicker abutting against a bottom edge

section of the electrical card for ejecting the electrical card out of the housing when said latch member is in the released position.